

Table VIII-1d. Composition of ALH77005

reference	Lodders 98	Warren 99	Wang 98	Kong 99	Brandon 2000	Neal 2001
weight	average	300 mg.		118.9 mg.	202.9 mg.	
SiO ₂	42.4	41.29				
TiO ₂	0.39	<0.83 (a)		0.4 (a)		
Al ₂ O ₃	2.87	3.13 (a)		2.13 (a)		
FeO	20.1	20.45 (a)		20.33 (a)		
MnO	0.45	0.44 (a)		0.5 (a)		
CaO	3.16	2.94 (a)		3.95 (a)		
MgO	28.2	28.19 (a)		25.04 (a)		
Na ₂ O	0.47	0.44 (a)		0.59 (a)		Bogard 99
K ₂ O	0.03	0.026 (a)		0.06 (a)		0.058
P ₂ O ₅	0.4					
sum	99.5					
Li ppm	1.5					
C	140					
F	22					
S	510					
Cl	14					
Sc	21	19 (a)		21.6 (a)		
V	162	166 (a)		132 (a)		
Cr	6670	7000 (a)		6520 (a)		
Co	72	78 (a)	67.2 (b)	77.7 (a)		
Ni	290	310 (b)		338 (a)		
Cu	5.1					
Zn	60	59 (b)	49.4 (b)	60.7 (a)		
Ga	7.3	6.9 (a)	6.07 (b)	9.3 (a)		
Ge	0.58	0.58 (b)				
As	0.022					
Se	0.15		0.149 (b)			
Br	0.077	<0.05 (a)				Borg 2001
Rb	0.7		0.626 (b)			0.711
Sr	14	<20 (a)				11.11
Y	6.2					
Zr	19.5	<30 (a)				
Nb	0.65					
Mo	0.2		0.0427 (b)			
Pd ppb					4.67	
Ag ppb	4.4		4.37 (b)	4 (b)		
Cd ppb	2.1	2.1 (b)	5.97 (b)			
In ppb	11		11.1 (b)			
Sb ppb	69		0.68 (b)			
Te ppb	0.5		0.45 (b)			
I ppm	1.7					
Cs ppm	0.053	<0.09 (a)	0.038 (b)			
Ba	4.2					
La	0.34	0.4 (a)		0.614 (a)		
Ce	0.91	<2.5 (a)		1.28 (a)		
Pr	0.13					Borg 2001
Nd	0.95	<0.09 (a)				0.814
Sm	0.49	0.48 (a)		0.77 (a)		0.486

Eu	0.22	0.25 (a)	0.373 (a)	
Gd	0.92		0.2 (a)	
Tb	0.17	0.17 (a)		
Dy	1.08	1.04 (a)		
Ho	0.25	0.23 (a)		
Er	0.66			
Tm	0.088		0.296 (a)	
Yb	0.59	0.57 (a)	0.919 (a)	Blichert-Troft 99
Lu	0.078	0.085 (a)	0.127 (a)	0.0988 0.0982 (c)
Hf	0.62	0.57 (a)	0.951 (a)	0.723 0.727 (c)
Ta	0.033	0.04 (a)		
W ppb	84		38 (b)	
Re ppb	0.102	0.102 (b)		0.256 (c)
Os ppb	4.4	4.4 (b)	8.98 (b) 3.405 (c)	
Ru ppb			3.6 (b)	4.37
Pt ppb			3.84 (b)	5.4
Rh ppb				1.3
Ir ppb	3.9	4.3 (b)	9.11 (b)	3.65
Au ppb	0.21	0.26 (b)	0.288 (b) 0.342 (b)	
Tl ppb	1.7		1.7 (b)	
Bi ppb	<0.7		<0.72 (b)	
Th ppm	0.057		<0.1 (a)	
U ppm	0.015		<0.06 (a)	
technique	(a) INAA, (b) RNAA, (c) IDMS			